

Fig. 1

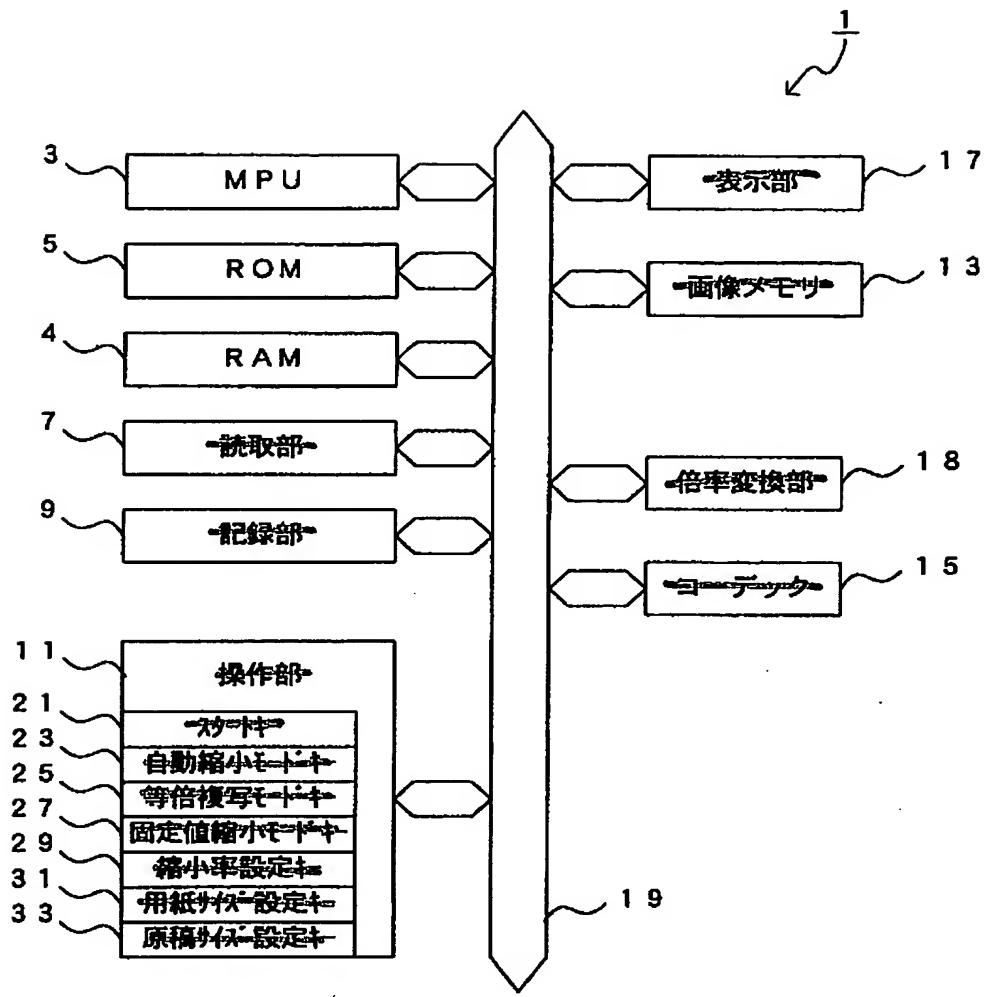


FIG. 1

7: READING SECTION  
9: RECORDING SECTION  
11: OPERATION SECTION  
13: IMAGE MEMORY  
15: CODEC  
17: DISPLAY SECTION  
18: RATIO CHANGING SECTION  
21: START KEY  
23: AUTO REDUCTION MODE KEY  
25: ACTUAL-SIZE COPY MODE KEY  
27: FIXED REDUCTION MODE KEY  
29: REDUCTION RATIO SETTING KEY  
31: PAPER SIZE SETTING KEY  
33: DOCUMENT SIZE SETTING KEY

Fig. 2

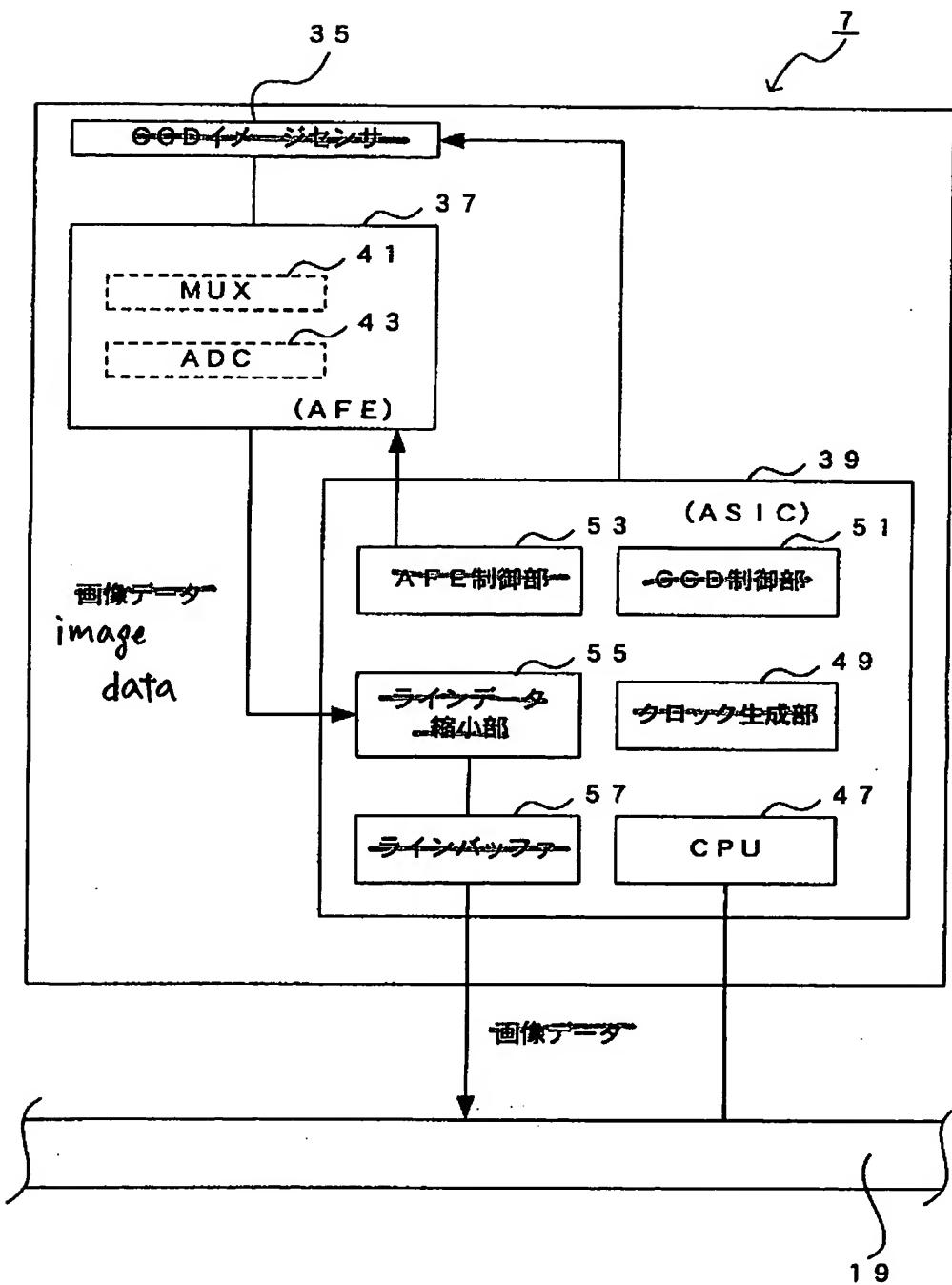


FIG. 2

35: CCD IMAGE SENSOR

49: CLOCK GENERATION SECTION

51: CCD CONTROL SECTION

53: AFE CONTROL SECTION

55: LINE DATA REDUCTION SECTION

57: LINE BUFFER

Fig. 3

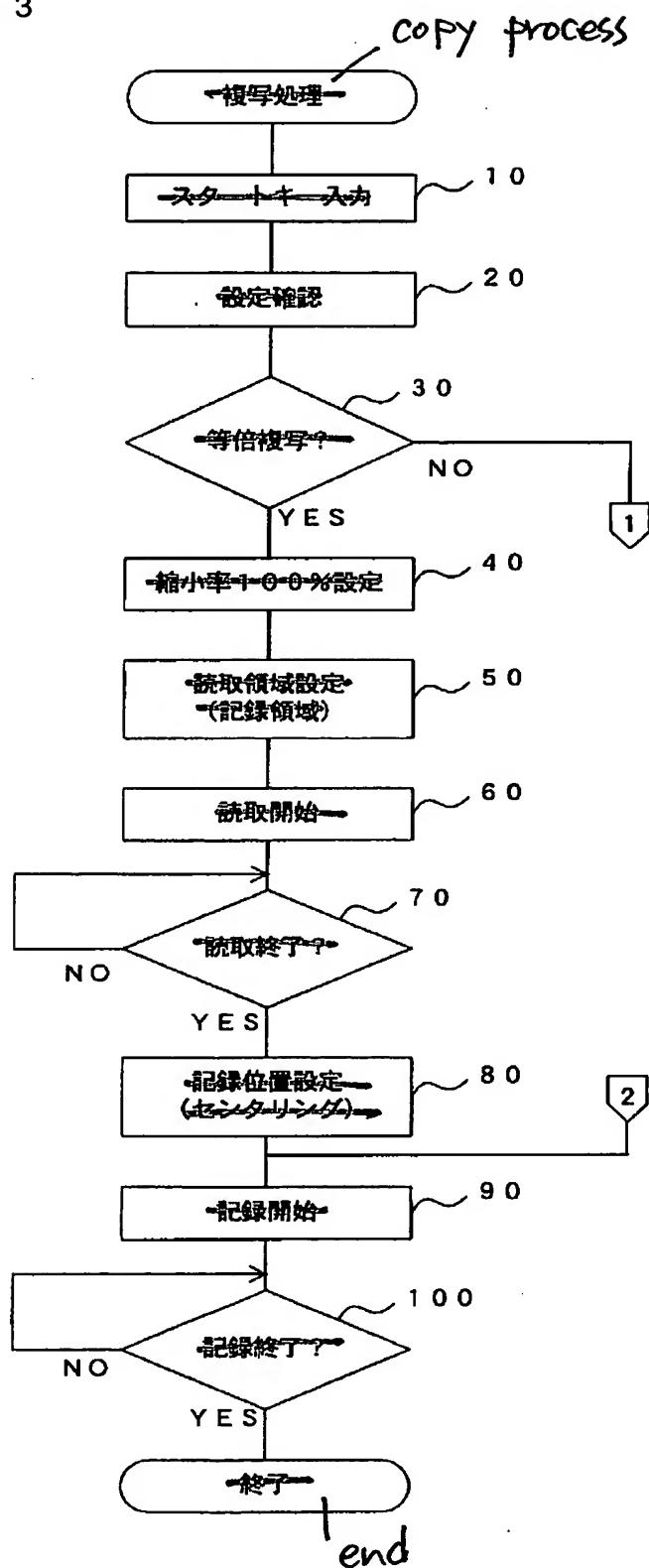


FIG. 3

10: INPUT START KEY.  
20: CONFIRM SETTINGS.  
30: IS IT ACTUAL-SIZE COPY?  
40: SET REDUCTION RATIO AT 100 %.  
50: SET READING AREA (RECORDING AREA).  
60: START READING.  
70: IS READING COMPLETED?  
80: SET RECORDING POSITION (CENTERING).  
90: START RECORDING.  
100: IS RECORDING COMPLETED?

Fig. 4

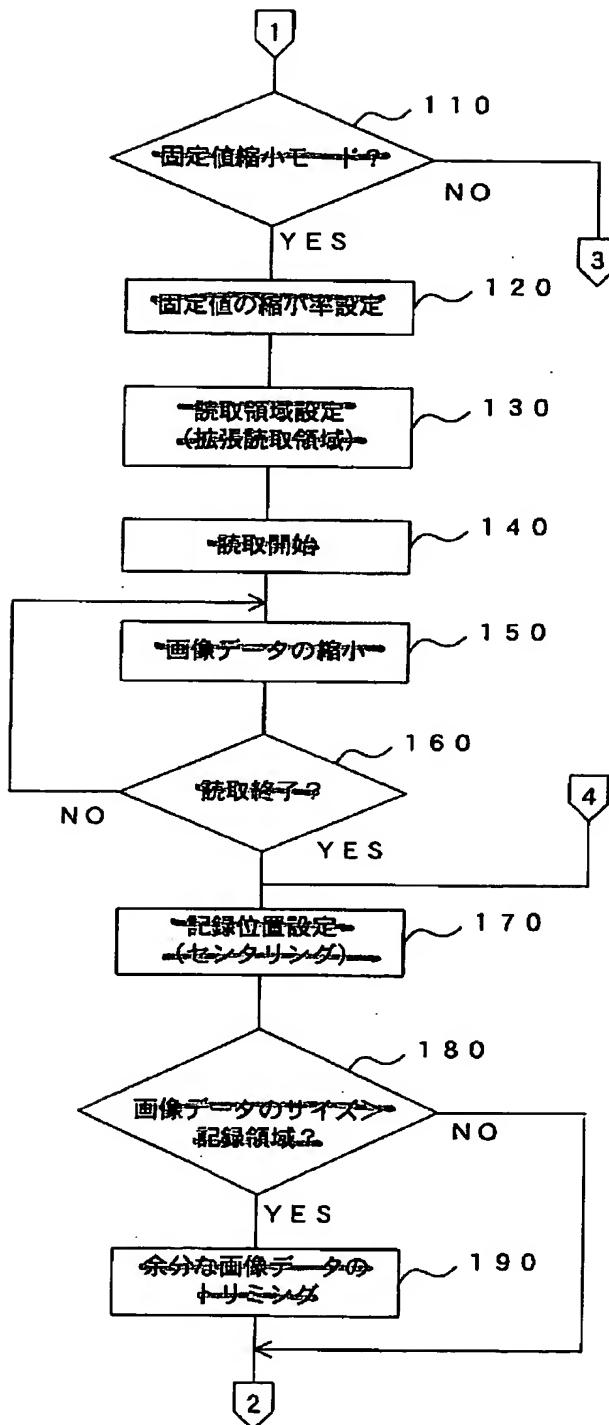


FIG. 4

- 110: IS IT FIXED REDUCTION MODE?
- 120: SET REDUCTION RATIO AT FIXED VALUE.
- 130: SET READING AREA (EXTENDED READING AREA).
- 140: START READING.
- 150: REDUCE IMAGE DATA.
- 160: IS READING COMPLETED?
- 170: SET RECORDING POSITION (CENTERING).
- 180: IS THE SIZE OF IMAGE DATA LARGER THAN THE RECORDING AREA?
- 190: TRIM EXTRA IMAGE DATA.

Fig. 5

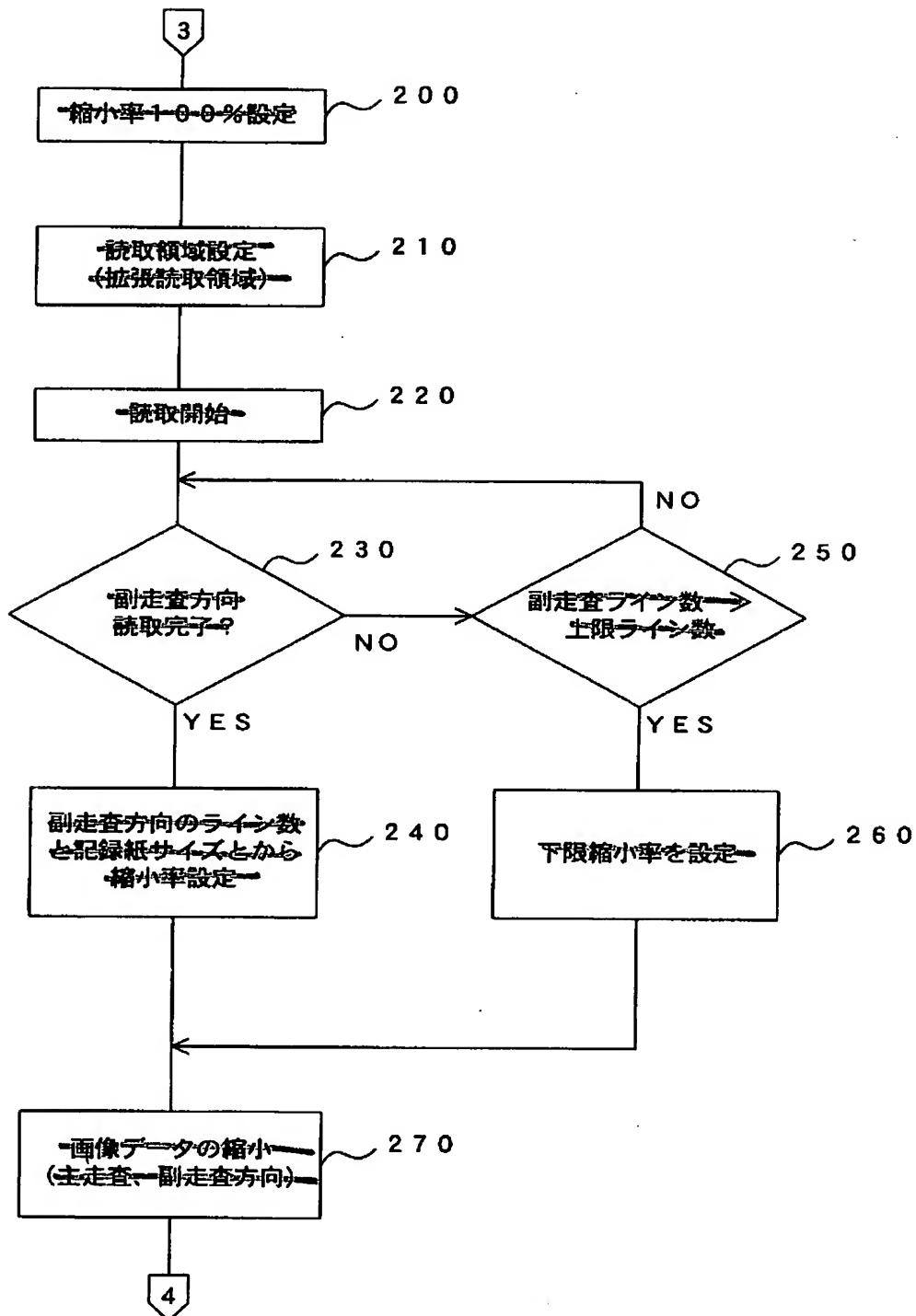


FIG. 5

200: SET REDUCTION RATIO AT 100 %.

210: SET READING AREA (EXTENDED READING AREA) .

220: START READING.

230: IS READING IN SUB-SCANNING DIRECTION COMPLETED?

240: SET REDUCTION RATIO ON THE BASIS OF NUMBER OF LINES IN  
SUB-SCANNING DIRECTION AND SIZE OF RECORDING PAPER.

250: IS NUMBER OF SUB-SCANNING LINES LARGER THAN UPPER LIMIT  
IN NUMBER OF LINES?

260: SET LOWER LIMIT OF REDUCTION RATIO AS REDUCTION RATIO.

270: REDUCE IMAGE DATA (IN MAIN SCANNING AND SUB-SCANNING  
DIRECTIONS) .

Fig. 6A

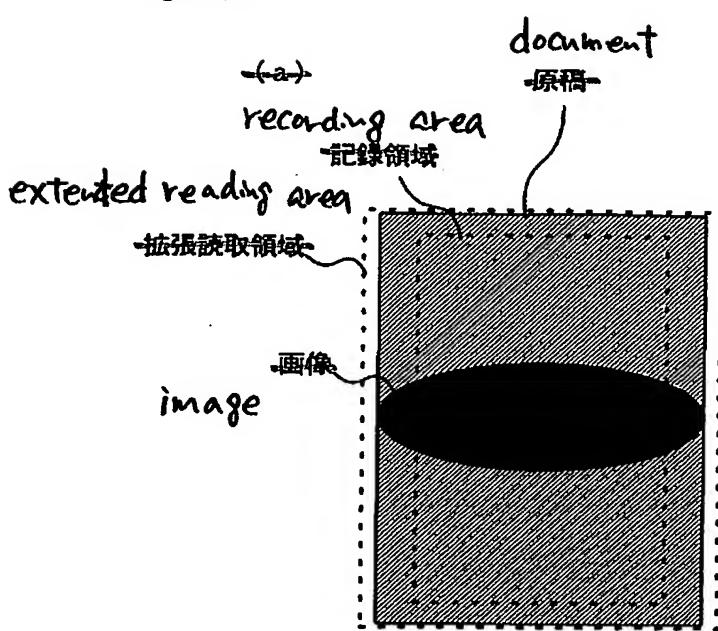


Fig. 6B

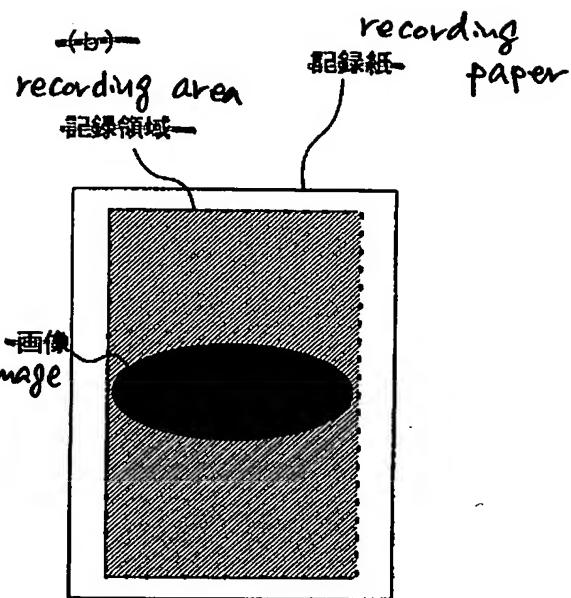


Fig. 7A

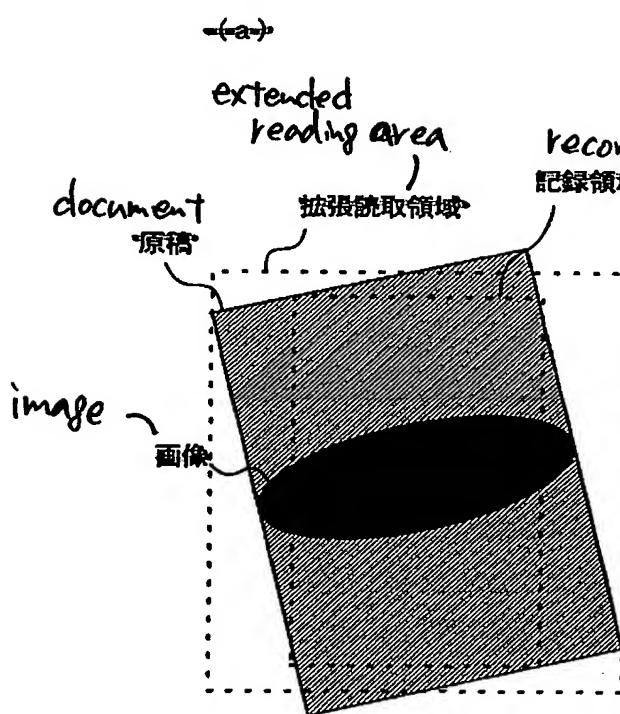


Fig. 7B

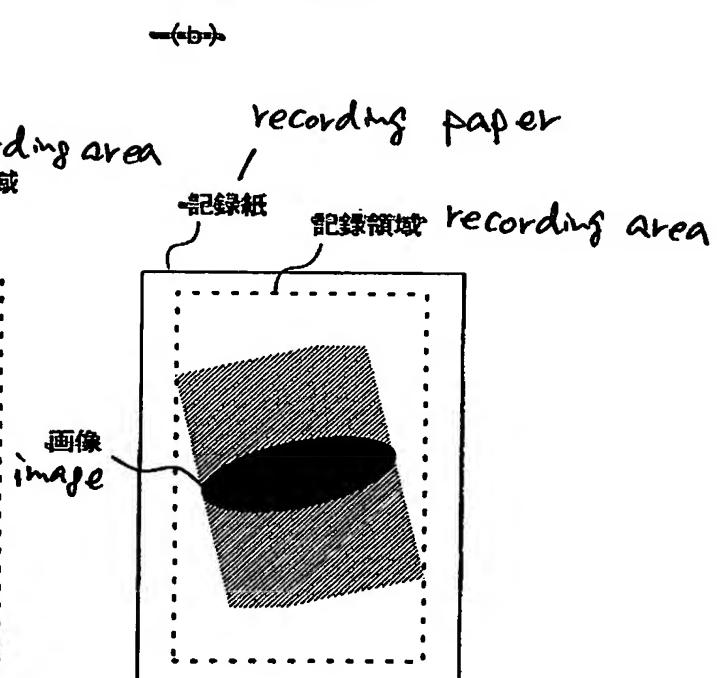


Fig. 8

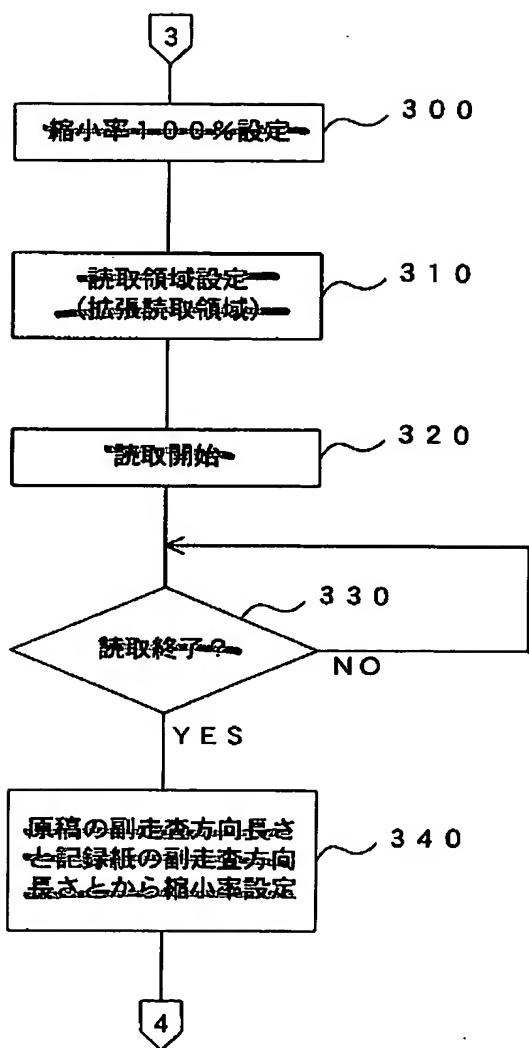


FIG. 8

300: SET REDUCTION RATIO AT 100 %.

310: SET READING AREA (EXTENDED READING AREA).

320: START READING.

330: IS READING COMPLETED?

340: SET REDUCTION RATIO ON THE BASIS OF THE LENGTH OF DOCUMENT  
IN SUB-SCANNING DIRECTION AND THE LENGTH OF RECORDING PAPER  
IN SUB-SCANNING DIRECTION.

# Prior Art

Fig. 9 A

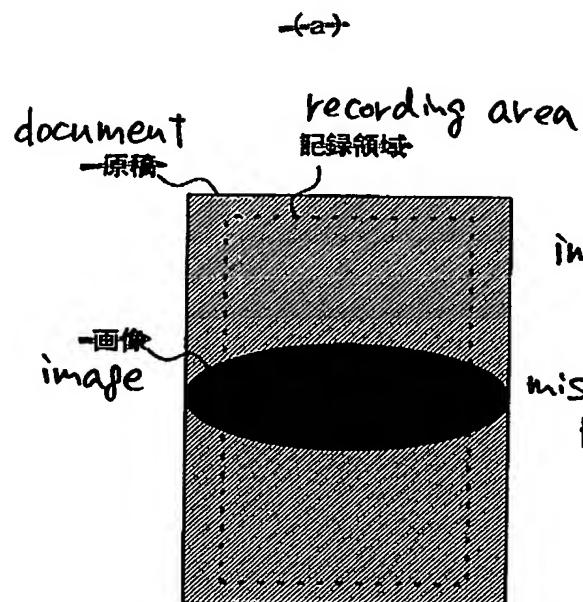
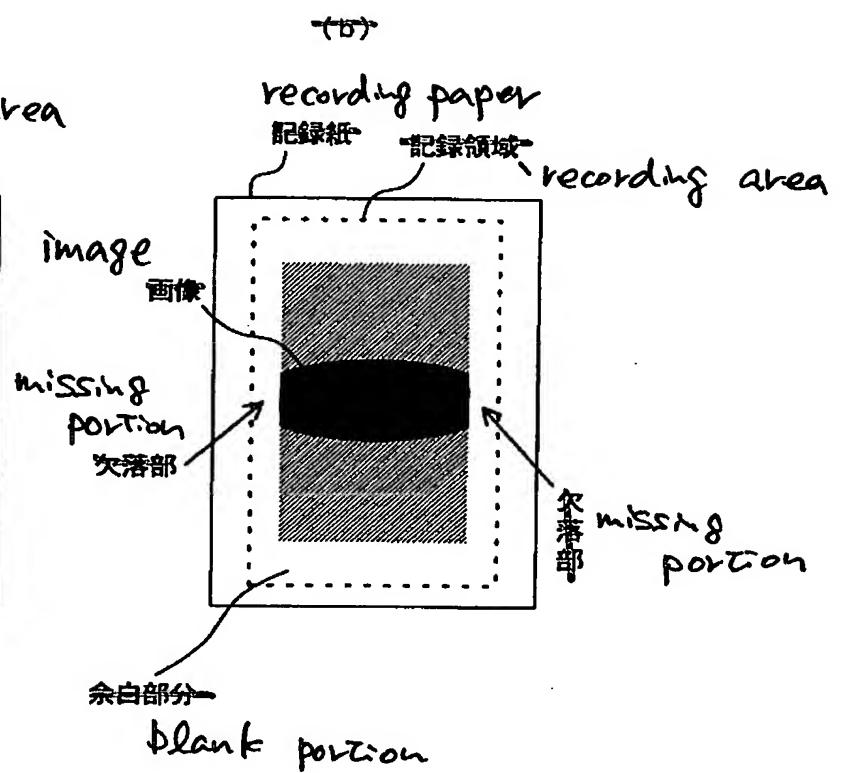
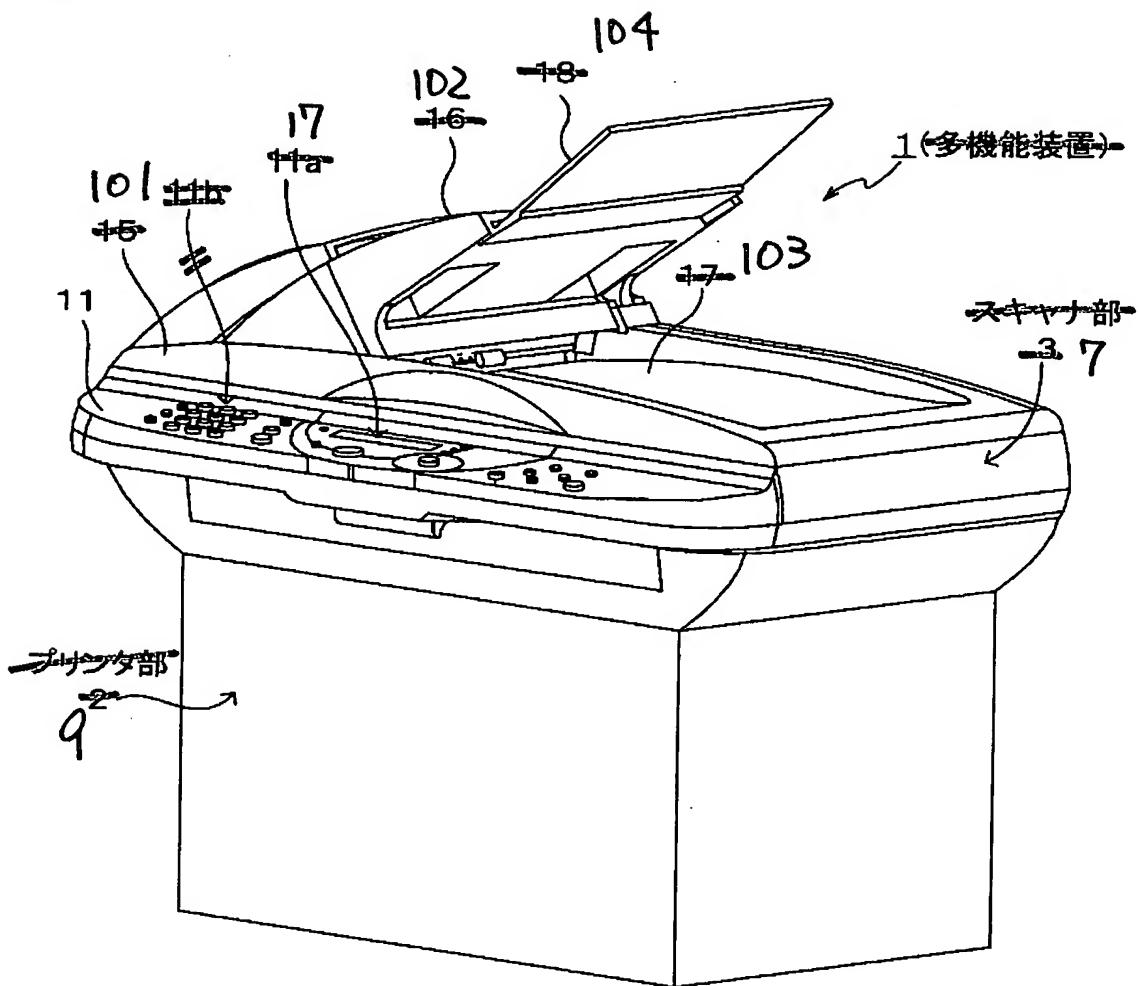


Fig. 9 B



BEST AVAILABLE COPY

Fig. 10



(1)

Fig. 11

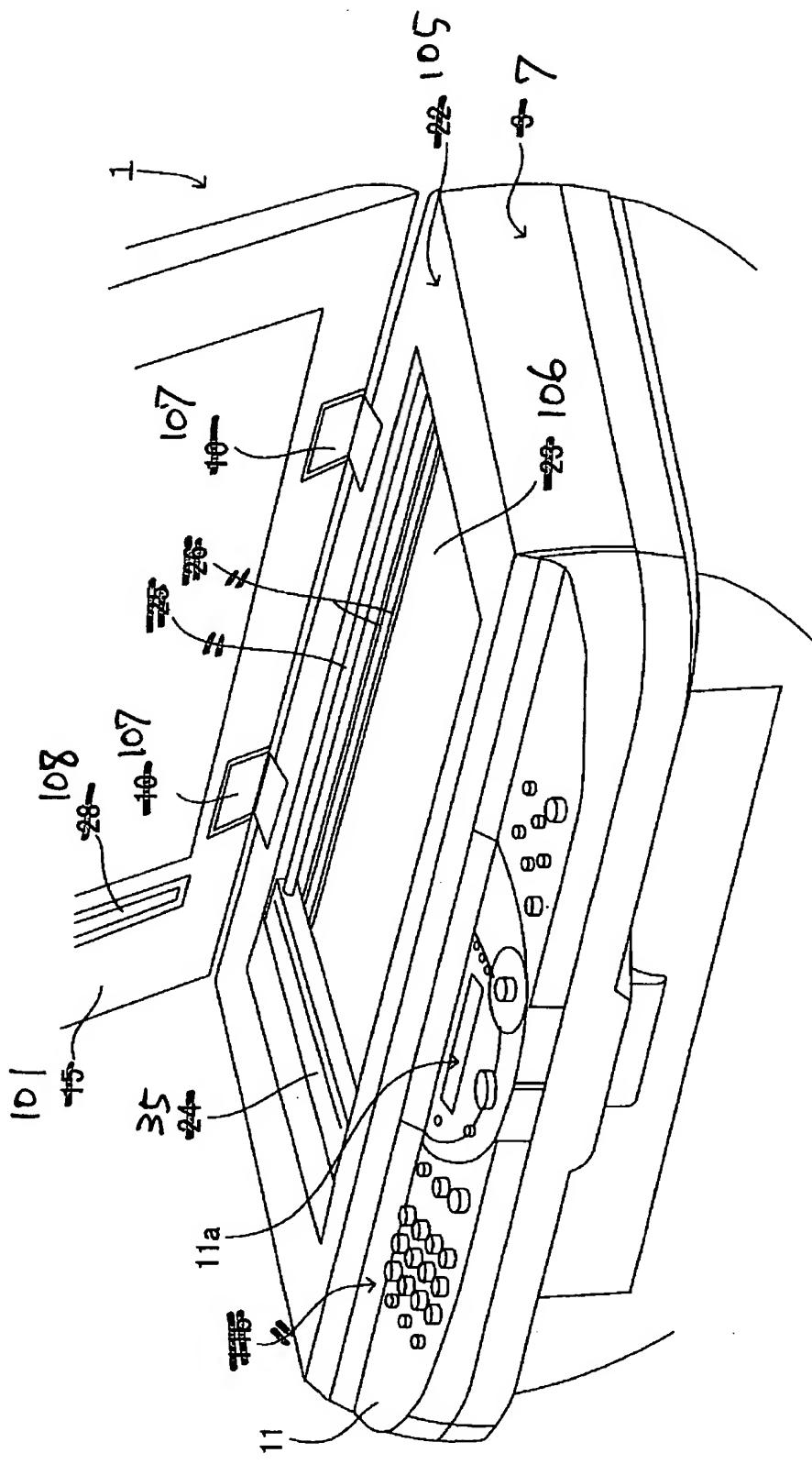


Fig. 12

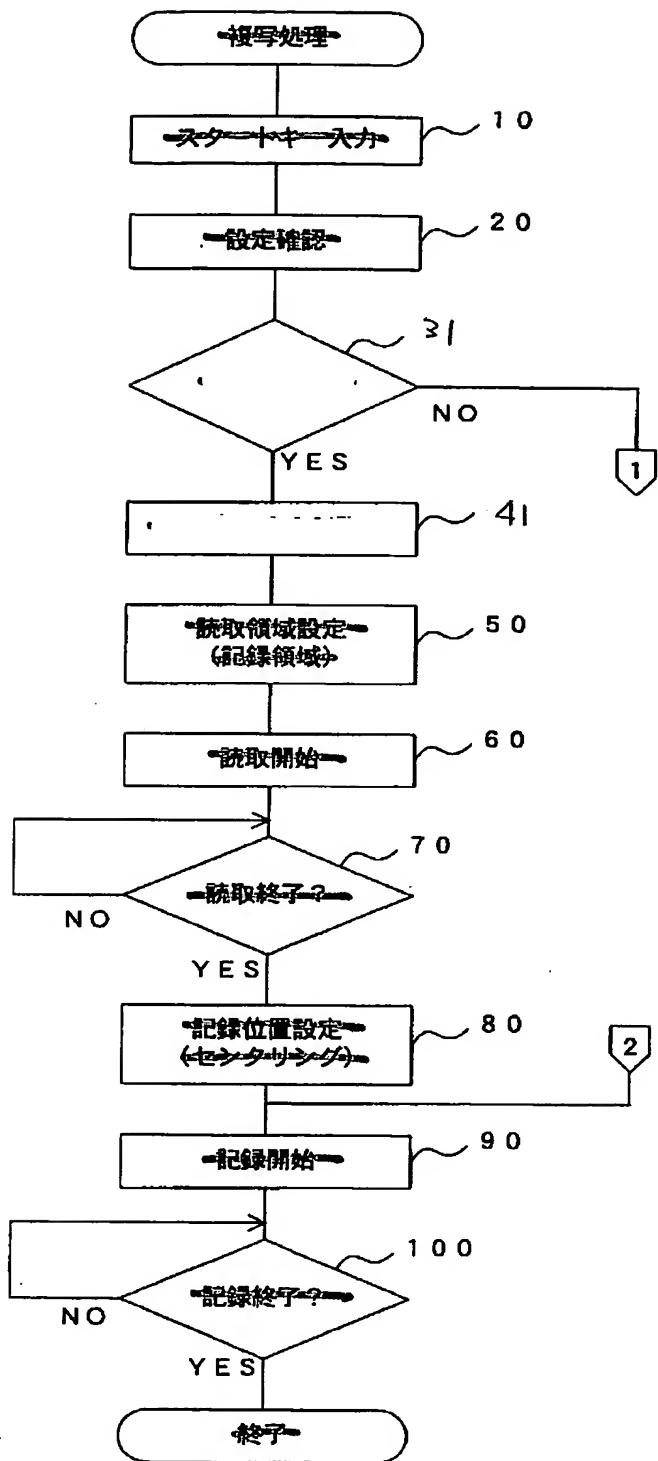


FIG. 12

10: INPUT START KEY.  
20: CONFIRM SETTINGS.  
31: INPUT VALUE  $\geq$  THRESHOLD VALUE?  
41: SET INPUT VALUE AS REDUCTION RATIO  
50: SET READING AREA (RECORDING AREA).  
60: START READING.  
70: IS READING COMPLETED?  
80: SET RECORDING POSITION (CENTERING).  
90: START RECORDING.  
100: IS RECORDING COMPLETED?